

Translation

INTERNATIONAL COOPERATION TREATY

Rec'd PCT/PTO 29 JUN 2004

10/500452

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 30 JAN 2004

WIPO PCT

Applicant's or agent's file reference EPS22169		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/CN02/00945	International filing date (day/month/year) 31.Dec.2002 (31.12.02)	Priority date (day/month/year) 31.Dec.2001(31.12.01)	
International Patent Classification (IPC) or national classification and IPC IPC7 H02M7/00			
Applicant EMERSON NETWORK POWER CO., LTD ETAL			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input type="checkbox"/> This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and /or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of _____ sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <p>I <input checked="" type="checkbox"/> Basis of the report</p> <p>II <input type="checkbox"/> priority</p> <p>III <input type="checkbox"/> Non-establishment of opinion with regard to novelty ,inventive step and industrial applicability</p> <p>IV <input type="checkbox"/> Lack of unity of invention</p> <p>V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2)with regard to novelty ,inventive step or industrial applicability; citations and explanations supporting such statement</p> <p>VI <input type="checkbox"/> Certain documents cited</p> <p>VII <input checked="" type="checkbox"/> Certain defects in the international application</p> <p>VIII <input type="checkbox"/> Certain observations on the international application.</p>			

Date of submission of the demand 20. June. 2003 (20.06.03)	Date of completion of this report 20. Dec. 2003 (20.12.03)
Name and mailing address of the IPEA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451	Authorized officer ZHANG haichun Telephone No.86-10-62084884

I. Basis of the report

1. With regard to the elements of the international application:*

☒ the international application as originally filed☐ the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

☐ the claims:

Nos _____, as originally filed

Nos _____, as amended (together with any statement) under Article 19

Nos _____, filed with the demand

Nos _____, filed with the letter of _____

☐ the drawings:

sheets/fig _____, as originally filed

sheets/fig _____, filed with the demand

sheets/fig _____, filed with the letter of _____

☐ the sequence listing part of the description:

pages _____, as originally filed

pages _____, filed with the demand

pages _____, filed with the letter of _____

2. with regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language _____ which is:

☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).☐ the language of publication of the international application (under Rule 48.3(b)).☐ the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/or 55.3).

3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.☐ filed together with the international application in computer readable form.☐ furnished subsequently to this Authority in written form.☐ furnished subsequently to this Authority in computer readable form.☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.4. ☐ The amendments have resulted in the cancellation of:☐ the description, pages _____☐ the claims No. _____☐ the drawings, sheets/fig _____5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).**

* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).

** Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement:

Novelty (N)	Claims	1-9	YES
	Claims	none	NO
Inventive step (IS)	Claims	1-9	YES
	Claims	none	NO
Industrial applicability (IA)	Claims	1-9	YES
	Claims	none	NO

2. Citations and explanations (Rule 70.7)

The invention relates to a method of establishing a master-host in modules connecting in parallel. Each module with a respective number connects through a bus, and has a different host-identified pulse width (Ts) and host-removed pulse width (Tw). According to the numbers, each module sends its host-identified pulse width to the bus and receives the feedback pulse, then establishes a master-host of all hosts after comparing the feedback pulse Tr and the host-removed pulse width (Tw).

D1: CN, C, 1048344

D2: WO, A1, 9843163

D3: EP, A2, 0425194

D1 discloses a mechanism of reasonably coupling multi-processor, wherein each command-receiving device has a cycle counter, each processor has its different and unique symbol, when the counter value and the symbol of one processor are the same, the processor then masters the command, because of there is only one processor to master the command at the same time, accordingly it's to overcome the bus-competing.

D2 discloses a method of synchronizing access to a data object, including the steps of establishing one of the plurality of host processors as a master host processor; sending an access request from a slave host processor to the master host processor to access the shared object; in response to receiving the access request, checking whether any conflicting locks are still pending from prior access requests; if no locks are still pending, granting the access request from the slave host processor; and notifying the slave host processor whether its access request was granted.

D3 discloses a computer system, in which an arbitration logic(155) connects a main data bus(115) to one of a plurality of master devices(140) in response to a bus request signal and in accordance with predefined priority levels associated with the master devices(140).

Obviously, D1-3 don't disclose the method of independent claim 1, and further the technical solution protected is not obvious to a person skilled in the art. So that the claim 1 has novelty under PCT Article 33(2), has inventive step under PCT Article 33(3).

The corresponding dependent claims 2-9 have novelty under PCT Article 33(2) and have inventive step under PCT Article 33(3) as the same.

Claims 1-9 have industrial applicability under PCT Article 33(4) because the method claimed can be made and used in the industry.

VIII. Certain observations on the international application

The following observations on the clarity of the claims, description, and drawings or on the question whether the claims are fully supported by the description, are made:

Dependent claim 2,9 in which the reference signs aren't bracketed ,is rejected under PCT Article 6.

Abstract in which the reference signs aren't bracketed ,is rejected under PCT rule 8.

Rec'd PCT/PTO 29 JUN 2004

专利合作条约

PCT

国际初步审查报告
(PCT 条约 36 和细则 70)

REC'D 30 JAN 2004

WIPO PCT

申请人或代理人的档案号 EPS22169	关于后续行为 参见“传送国际初步审查报告的通知”(PCT/IPEA/416 表)	
国际申请号 PCT/CN02/00945	国际申请日(日/月/年) 31.12 月 2002 (31.12.02)	优先权日(日/月/年) 31.12 月 2001 (31.12.01)
国际专利分类(IPC)或者国家分类和 IPC 两种分类 IPC7 H02M7/00		
申请人 艾默生网络能源有限公司 等		

1. 本国际初步审查单位已作出国际初步审查报告并依照条约第 36 条将其传送给申请人。


2. 本报告共计 4 页, 包括扉页。

☐ 本报告还有附件, 即修改后的并且作为本报告基础的说明书修改页、权利要求书修改页和/或附图修改页, 和/或对本国际初步审查单位所作出的更正页(见 PCT 细则 70.16 和行政规程 607)。

这些附件共计____页

3. 本报告包括关于下列各项的内容:

- I ☒ 报告的基础
- II ☐ 优先权
- III ☐ 不作出关于新颖性、创造性和工业实用性的意见
- IV ☐ 缺乏发明的单一性
- V ☒ 按条约 35(2)关于新颖性、创造性或工业实用性的推断性意见; 支持这种意见的引证和解释
- VI ☐ 引用的某些文件
- VII ☒ 国际申请中的某些缺陷
- VIII ☐ 对国际申请的某些意见

提交要求书的日期 20.6 月 2003 (20.06.03)	完成本报告的日期 20.12 月 2003 (20.12.03)
国际初步审查单位名称和地址 IPEA/CN 中国北京市海淀区西土城路 6 号(100088) 传真号: 86-10-62019451	受权官员  张海春 印 电话号码: 86-10-62084884

I. 报告的基础

1. 关于国际申请中各个部分：*

☒ 原始提交的国际申请。

☐ 说明书, 第 _____ 页, 原始提交的,
第 _____ 页, 要求书提交的,
第 _____ 页, _____ 的信件提交的。

☐ 权利要求, 第 _____ 页, 始提交的,
第 _____ 页, 条约第 19 条修改的(附有说明),
第 _____ 页, 要求书提交的。
第 _____ 页, _____ 的信件提交的。

☐ 附图, 第 _____ 页, 原始提交的。
第 _____ 页, 随要求书提交的,
第 _____ 页, _____ 的信件提交的。

☐ 说明书中的序列表部分
第 _____ 页, 原始要求提交的,
第 _____ 页, 随要求书提交的,
第 _____ 页, _____ 的信件提交的。

2. 关于所使用的语言, 除本项下另有说明外, 本国际初步审查单位所获得的或者已向本国际初步审查单位提交的上述所有部分, 所使用的语言均为提交本国际申请时所使用的语言。

本国际初步审查单位所获得的或向本国际初步审查单位提交的这些部分所使用的语言是 _____ ,
这种语言是

☐ 为了国际检索而提交的译本所使用的语言(细则 23.1(b))。☐ 本国际申请公布时所使用的语言(细则 48.3(b))。☐ 为了国际初步审查而提交的译本所使用的语言(细则 55.2 和/或 55.3)。

3. 关于本国际申请中所公开的任何核甞酸和/或氨基酸的序列, 本国际初步审查是根据下面的序列表进行的:

☐ 国际申请中所包含的书写形式的序列表。☐ 与国际申请同时提交的计算机可读形式的序列表。☐ 后来以书写形式向本国际初步审查单位提交的序列表。☐ 后来以计算机可读的形式向本国际初步审查单位提交的序列表。☐ 已提交了关于后来提交的书写形式的序列表没有超出原始提交的国际申请所公开的范围的说明。☐ 已提交了关于以计算机可读的形式记载的信息是与书写形式的序列表相同的说明。

4. 修改删除了以下内容:

☐ 说明书, 第 _____ 页☐ 权利要求, 第 _____ 项☐ 附图, 第 _____ 页, 图 _____5. ☐ 由于(某些)修改被认为超出了原始公开的范围, 如补充栏所示, 因此本报告是按照如同没有修改的情况作出的(细则 70.2(c)). **

* 按照条约第 14 条答复通知时向受理局提交的替换页, 在本报告中被称为“原始提交的”, 这些替换页不作为本报告的附件, 因为它们没有包含修改(细则 70.16 和 70.17)。

** 任何包含这种修改的替换页, 都必须在第 1 项中指明, 并作为本报告的附件。

V. 按条约 35 条(2)关于新颖性、创造性或工业实用性的推断性意见；支持这种意见的引证和解释

1. 意见

新颖性(N)	权利要求	1-9	是
	权利要求	无	否
创造性(IS)	权利要求	1-9	是
	权利要求	无	否
工业实用性(IA)	权利要求	1-9	是
	权利要求	无	否

2. 引证和解释（细则 70.7）

本发明涉及一种在并联模块系统中确立主机的方法。各模块分别具有不同编号，通过竞争总线连接，不同编号的模块具有不同的主机身份标识脉冲宽度 T_s 和不同的主机身份解除脉冲宽度 T_w ，各模块根据其编号向竞争总线发送相应的主机身份标识脉冲，同时从竞争总线上接收回馈脉冲，各模块通过比较回馈脉冲宽度 T_r 和自身主机身份解除脉冲宽度 T_w ，确定其中的一个模块为主机。

国际检索报告中涉及的对比文件：

D1: CN, C, 1048344

D2: WO, A1, 9843163

D3: EP, A2, 0425194

D1 公开了一种适度耦合多处理机系统的体系结构，其中各令牌接收装置中均有一循环计数器，各处理器都有各自不同的唯一标识号，当计数器的计数值与某一处理机的标识号相同时，该处理机便掌握了令牌，由于同一时刻只有一台处理机获得令牌，从而解决总线竞争问题；

D2 公开了一种同步访问数据目标的方法，其包括步骤：确定多个处理器中的一个为主处理器；发送来自从处理器的访问共享目标的访问请求给主处理器；响应该接收到的访问请求，检查是否有在前的冲突封锁未处理；如果不存在未处理冲突封锁，则允许该访问请求；并通知该从处理器其访问请求是否被允许。

D3 公开了一种计算机系统，其中判优逻辑电路响应接收到的总线请求信号，并根据预定的主装置优先权级别用装置选择信号把对主数据总线的访问指定给多个主装置中的一个。

可见，对比文件 1-3 均没有披露权利要求 1 所要求保护的方法，而且对于所属领域的技术人员来说，该技术方案也不是显而易见的。因此本发明的权利要求 1 具备 PCT 条约第 33 (2) 条规定的新颖性，第 33 (3) 条规定的创造性。

其相应的从属权利要求 2-9 也因此具备 PCT 条约第 33 (2) 条规定的新颖性，第 33 (3) 条规定的创造性。

权利要求 1-9 具有 PCT 条约第 33 (4) 条规定的工业实用性，因为权利要求 1-9 的在由并联的多个模块组成的并联系统中确立主机方法能够在工业中使用。

VII. 国际申请中的某些缺陷

国际申请在形式上或内容上存在下列缺陷:

本发明从属权利要 2, 9 中的引用标记未放在括号内, 不符合 PCT 条约第 6 条的规定。

摘要中的引用标记未放在括号内, 不符合 PCT 条约细则第 8 条的规定。